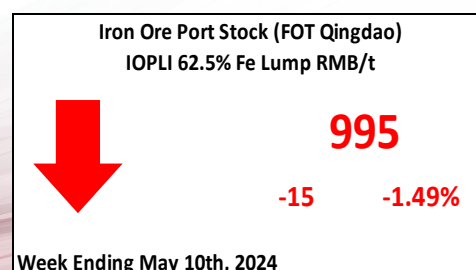
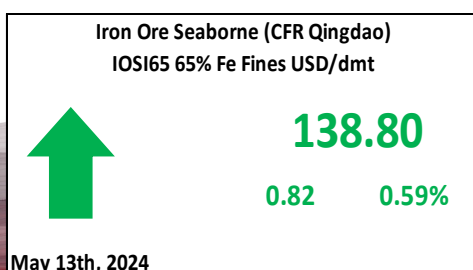
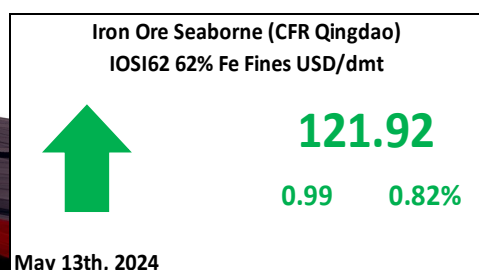
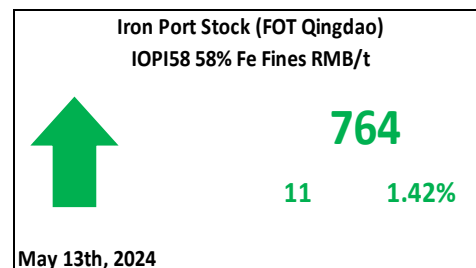
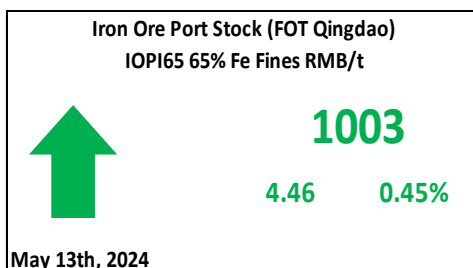
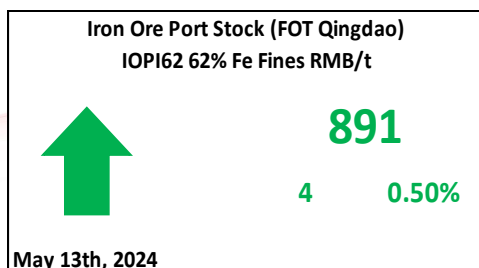


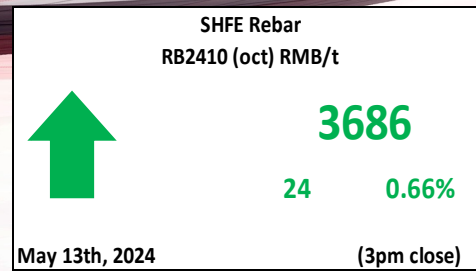
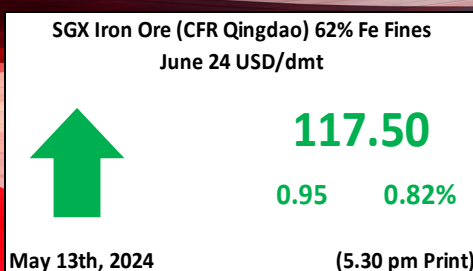
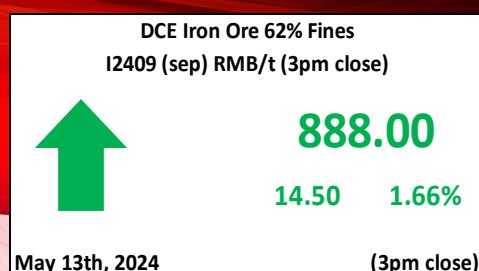


MMi Dashboard

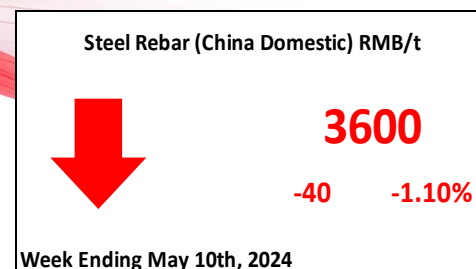
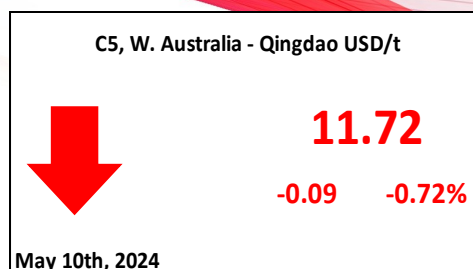
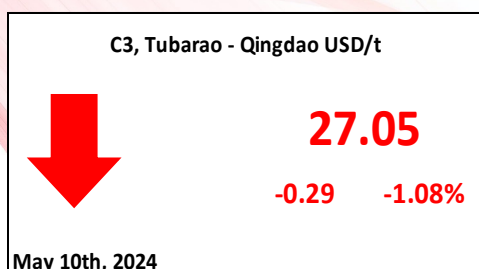
Iron Ore Price Indices



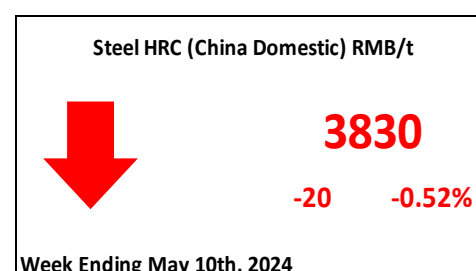
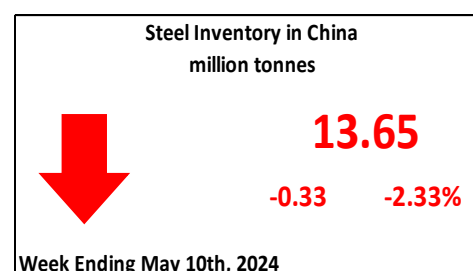
Exchange Traded Contracts



Freight Rates



Inventory Levels



Steel Price

Steel Price

IRON ORE PORT STOCK INDEX (IOPI)

May 13th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²	Price	Change	Change %	MTD	YTD	Low ²	High ²
IOPI62	62% Fe Fines	891	4.5	0.50%	880	895	770	1063	116.89	0.57	0.5%	116.38	121.03	101.00	140.00
IOPI58	58% Fe Fines	764	10.7	1.42%	785	781	665	963	100.81	1.43	1.4%	104.50	106.10	86.00	128.00
IOPI65	65% Fe Fines	1003	4.5	0.45%	996	1026	881	1175	132.02	0.57	0.4%	132.21	139.47	116.00	155.00

IRON ORE SEABORNE INDEX (IOSI)

MARKET COMMENTARY

May 13th, 2024		CFR Qingdao, USD/dry tonne							DCE iron ore futures initially weak and then strong. The main contract I2409 closed at 888 . an increase of 6.48% throughout the day . The enthusiasm of traders for shipping is still acceptable; Steel mills purchase on demand. Today the overall market transaction atmosphere is acceptable. PBF at Shandong port dealt 865-885 yuan/mt; increased 0-15 yuan/mt from last Friday. PBF at Tangshan port dealt 890-905 yuan/mt; increased 0-15 yuan/mt from last Friday. SMM shipping data shows that global shipping volume has declined by 11% this cycle, with both Australia and Pakistan experiencing a decline. The arrival volume has slightly increased. There has been a slight decline in supply, and there were reports in the afternoon of a train derailment at a mining site in Australia. But the impact on future shipments
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²	
IOSI62	62% Fe Fines	121.92	0.99	0.82%	116.42	116.42	99.20	146.75	
IOSI65	65% Fe Fines	138.80	0.82	0.59%	130.60	130.60	115.45	171.65	

IRON ORE PORT LUMP INDEX (IOPLI)

Week Ending May 10th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ³						
Index	Fe Content	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²
IOPLI62	62.5% Fe Lump	995	-15	-1.5%	994	1041	900	1210	125.53	-1.87	-1.47%	126.95	136.27	113.28	153.57

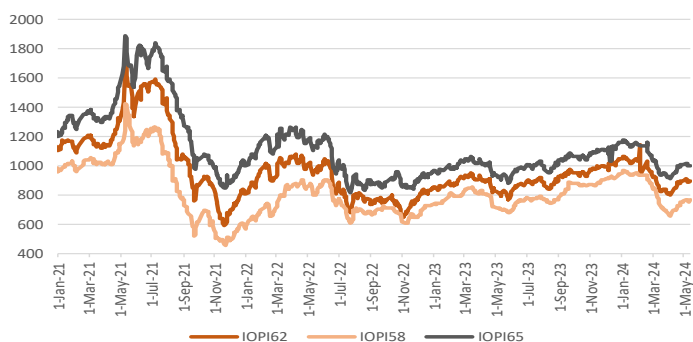
IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

Week Ending May 10th, 2024				RMB/tonne (excluding tax) ³				USD/tonne (excluding tax) ³			
Province	Region	Product	Basis	This week	Change %	Low ²	High ²	This week	Change %	Low ²	High ²
Hebei	Hanxing	66% Fe Concentrate	Dry	1046	1.5%	779	1645	147.30	1.52%	110.31	255.69
Hebei	Qian'an	65% Fe Concentrate	Dry	1060	-0.9%	780	1630	149.27	-0.88%	110.51	251.57
Liaoning	Anshan	65% Fe Concentrate	Wet	830	2.5%	620	1310	116.88	2.53%	87.40	202.32
Shandong	Zibo	65% Fe Concentrate	Dry	1089	1.7%	800	1752	153.36	1.74%	0.00	272.32

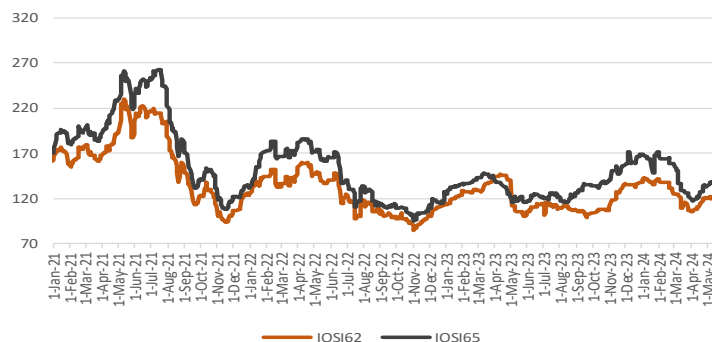
Week Ending May 10th, 2024		This week	Change %	Low ²	High ²
China Mines Concentrate Composite Index RMB/WT		961.15	1.02%	706.36	1511.22

¹ Exchange rate applied: RMB/USD = 6.7522 ² Last 12 months³ Weekly exchange rate applied: RMB/USD = 6.87528

IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)



IRON ORE SEABORNE INDEX, CFR QINGDAO (USD/DMT)



IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

May 13th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne						
Index	Fe Content	January	February	March	April	MTD	QTD	YTD	January	February	March	April	MTD	QTD	YTD
IOPI62	62% Fe Fines	119	992	860	857	880	874	895	137.08	130.57	112.79	112.32	115.32	115.83	120.56
IOPI58	58% Fe Fines	101	908	752	711	785	779	781	126.09	120.39	99.14	93.48	103.33	103.96	105.35
IOPI65	65% Fe Fines	134	1108	972	969	996	992	1026	152.20	146.16	127.92	127.43	131.20	131.91	139.19

IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

FREIGHT RATES

May 13th, 2024		CFR Qingdao, USD/dry tonne							May 10th, 2024				FREIGHT RATES - DRY BULK US\$/wet tonne			
Index	Fe Content	January	February	March	April	MTD	QTD	YTD	Route	Designation	Change	Change %	Low ²	High ²		
IOSI62	62% Fe Fines	139.58	134.03	116.50	112.78	112.14	115.18	116.42	W. Australia - Qingdao	C5	11.72	-0.09	-0.72%	3.57	16.77	
IOSI65	65% Fe Fines	164.44	162.36	135.22	124.98	122.86	129.04	130.60	Tubarao - Qingdao	C3	27.05	-0.29	-1.08%	6.70	36.40	

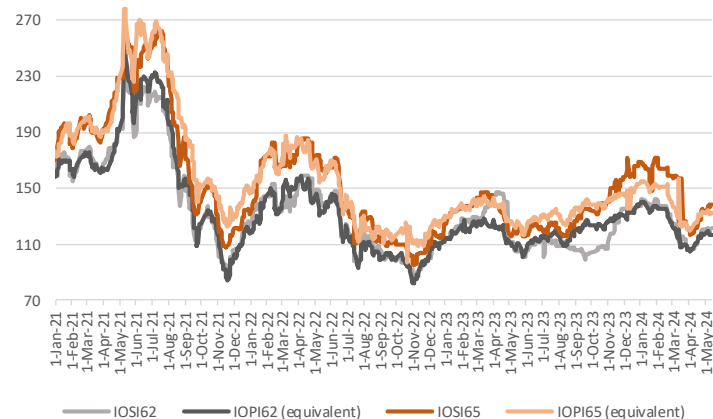
IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Week Ending May 10th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	January	February	March	April	MTD	QTD	YTD	January	February	March	April	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	1170	1093	982	997	933	989	1017	148.20	138.12	123.87	125.79	119.96	126.47	134.98

IRON ORE INDEX PREMIUMS/DISCOUNTS

May 13th, 2024		PORT STOCK INDEX (RMB/WT)				May 13th, 2024		SEABORNE INDEX (USD/DMT)			
Index	Fe Content	Spread to IOPI62		% Spread to IOPI62		Index	Fe Content	Spread to IOSI62		% Spread to IOSI62	
IOPI58	58% Fe Fines	-127		-14.23%		IOSI65	65% Fe Fines	16.88		13.85%	
IOPI65	65% Fe Fines	112		12.53%							

IRON ORE INDEX COMPARISONS (USD/DMT)



CHINA DOMESTIC COMPOSITE MINES INDEX (RMB/Wet Tonne, including VAT)



IRON ORE BRAND SPOT PRICE ASSESSMENTS

May 13th, 2024				May 13th, 2024			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	834	4	-57	Roy Hill	117.42	0.99	-4.50
SIMEC Fines	764	4	-127	SIMEC Fines	113.92	0.99	-8.00
PB Fines	859	4	-32	PB Fines	118.17	0.99	-3.75
Newman Fines	860	4	-31	Newman Fines	121.05	0.99	-0.88
MAC Fines	841	4	-50	MAC Fines	118.17	0.99	-3.75
Jimblebar Blended Fines	756	4	-135	Jimblebar Blended Fines	110.55	0.99	-11.38
Carajas Fines	1072	4	181	Carajas Fines	151.47	0.99	29.55
Brazilian SSF	855	3	-36	Brazilian SSF	125.67	0.99	3.75
Brazilian Blend Fines	872	4	-19	Brazilian Blend Fines	127.30	0.99	5.38
RTX Fines	774	4	-117	RTX Fines	111.80	0.99	-10.13
West Pilbara Fines	802	4	-89	West Pilbara Fines	116.17	0.99	-5.75

May 13th, 2024			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	764	10	0
FMG Blended Fines	773	10	9
Robe River	774	10	10
Western Fines	777	10	13
Atlas Fines	771	10	7
Yandi	757	10	-7

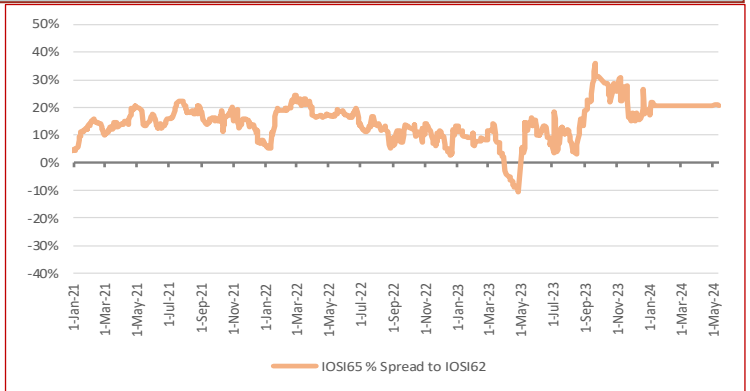
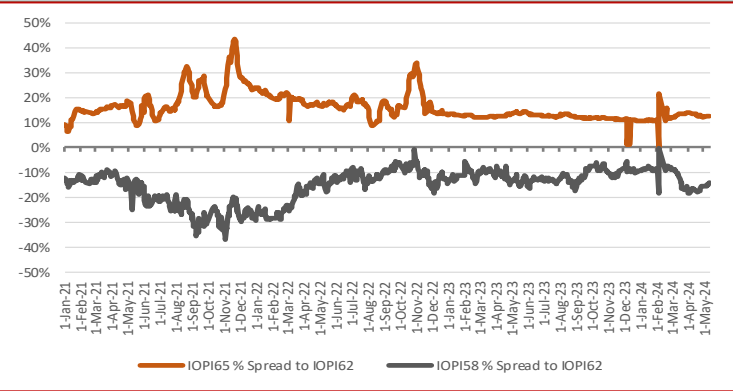
IRON ORE INDEX NORMALISATION DIFFERENTIALS

Port Stock Index Product Differentials (RMB/wet tonne)				Seaborne Index Product Differentials (USD/dry tonne)			
	Applicable range	Value	Change		Applicable range	Value	Change
1% Fe	High Grade Fe 60 - 63%	13.00	-5.00	1% Fe	High Grade Fe 60 - 63%	4.50	-0.50
	High Grade Fe 63 - 64%	60.00	-5.00		High Grade Fe 63 - 64%	4.50	0.00
	High Grade Fe 64 - 65%	60.00	-5.00		High Grade Fe 64 - 65%	4.50	0.00
	High Grade Fe 65 - 65.5%	60.00	-5.00		High Grade Fe 65 - 65.5%	4.50	0.00
1% Alumina	Low Grade Fe	28.00	-1.00	1% Alumina	High Fe Grade Al <2.25%	2.00	0.00
	High Fe Grade Al <2.25%	20.00	0.00		High Fe Grade Al 2.25-4%	2.50	0.00
	High Fe Grade Al 2.25-4%	5.00	-4.00				
	Low Fe Grade Al <2.25%	140.00	5.00				
1% Silica	Low Fe Grade Al 2.25-4%	40.00	-5.00	1% Silica	High Fe Grade Si <4%	1.25	0.75
	High Fe Grade Si <4%	23.00	3.00		High Fe Grade Si 4 - 6.5%	1.25	0.75
	High Fe Grade Si 4-6.5%	17.00	3.00				
0.01% Phosphorus	Low Fe Grade	11.00	-4.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	0.75	0.00
	High Fe Grade 0.09%<P<0.115%	5.00	0.00		High Fe Grade 0.115%<P<0.15%	1.25	0.00
	High Fe Grade 0.115%<P<0.15%	5.00	0.00				
	Low Fe Grade 0.09%<P<0.1%	5.00	0.00				

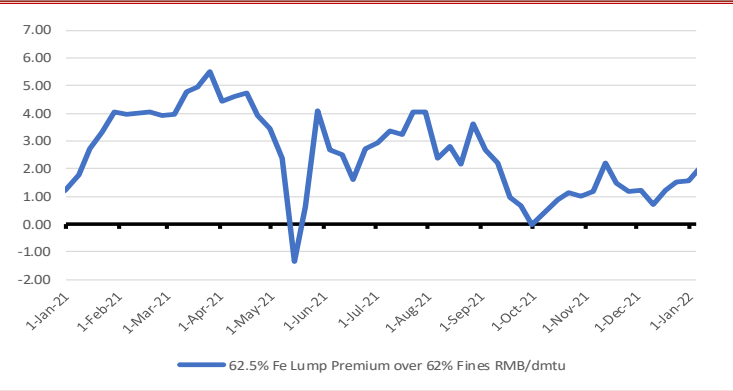
Port Stock Price Differentials to Qingdao Port for PB Fines (RMB/wet tonne)

Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-50.00	0.00	Fangcheng	-25.00	0.00	Lanshan	0.00	0.00	Rizhao	0.00	0.00
Beilun	0.00	0.00	Jiangyin	-30.00	0.00	Lianyungang	0.00	0.00	Shekou	0.00	0.00
Caofeidian	-20.00	0.00	Jingtang	-20.00	0.00	Majishan	0.00	0.00	Taichang	-30.00	0.00
Dalian	0.00	0.00	Lanqiao	0.00	0.00	Qingdao	0.00	0.00	Tianjin	-10.00	0.00

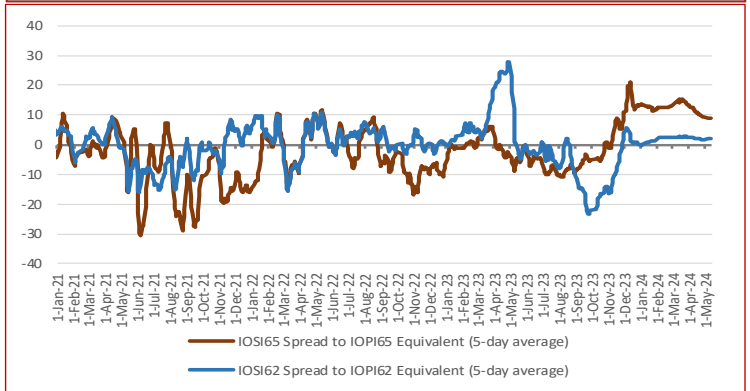
IRON ORE INDEX PREMIUMS/DISCOUNTS



WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)



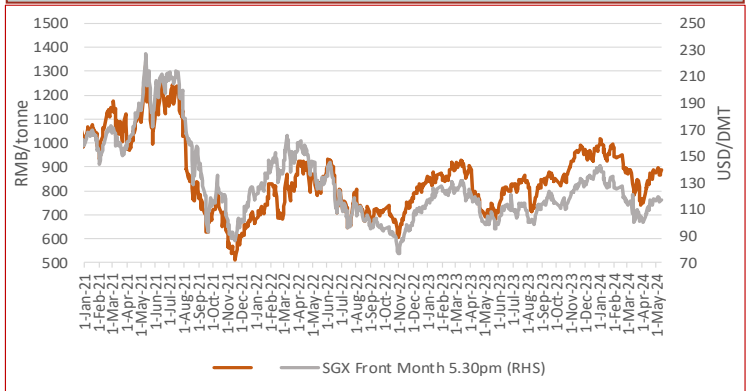
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



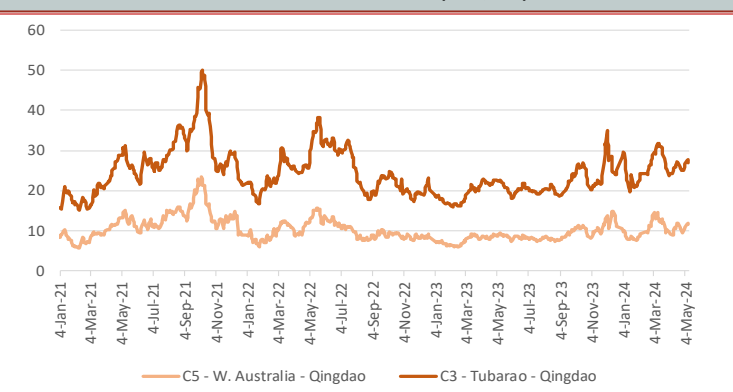
IRON ORE PORT INVENTORIES (MILLION TONNES)

Week Ending May 10th, 2024				
Province	This week	Change %	Low ²	High ²
Jingtang	15.49	-1.27%	8.41	19.20
Qingdao	22.50	-1.92%	9.41	26.24
Caofeidian	15.98	6.82%	7.56	16.29
Tianjin	11.57	1.76%	6.49	12.97
Rizhao	17.69	6.63%	9.44	19.26
Total (35 Ports)	142.71	-0.52%	98.80	155.39

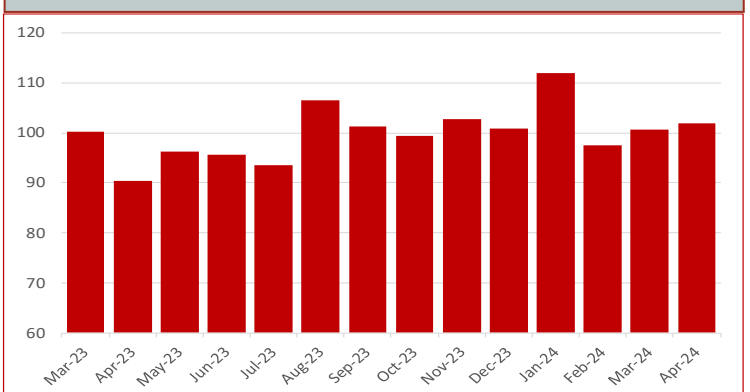
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	May 13th, 3pm close			May 13th, 5:30pm		
Contract	12409	Change	Change %	June. 24	Change	Change %
Closing Price	888.00	14.50	1.66%	117.50	0.95	0.82%
Vol traded ('000 lots)	38.55	3.55	10.14%	7.84	1.29	19.78%
Open positions ('000 lots)	47.09	0.57	1.22%	32.28	0.30	0.94%
Day Low	855.0	-2.00	-0.23%	113.60	-0.65	-0.57%
Day High	890.0	13.00	1.48%	117.80	1.10	0.94%

DRY BULK FREIGHT RATES (USD/MT)



TOTAL CHINA IRON ORE IMPORT VOLUMES (MILLION TONNES)



STEEL SPOT MARKET PRICES—CHINA

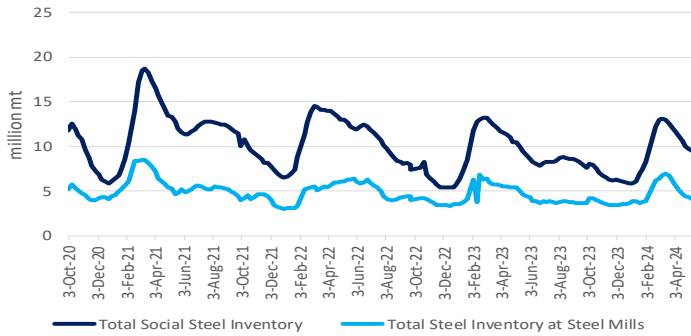
Product	2024/5/10	Change	Change %
ReBar HRB400 φ18mm	3,600	-40	-1.10%
Wirerod Q300 φ6.5mm	3,860	-60	-1.53%
HRC Q235/SS400 5.5mm*1500*C	3,830	-20	-0.52%
CRC SPCC/ST12 1.0mm*1250*2500	4,310	-40	-0.92%
Medium & Heavy Plate Q235B 20mm	3,850	0	0.00%
GI ST02Z 1.0mm*1000*C	4,810	40	0.84%
Colour Coated Plate	6,500	50	0.78%

CHINESE STEEL MILL PROFITABILITY

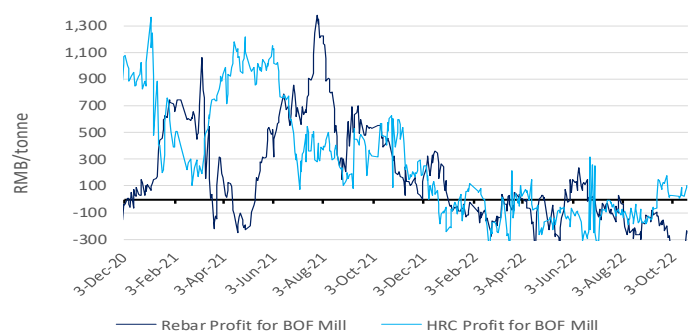
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)			
Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt excluding tax	120.93	1	Mmi CFR Equivalent index for 1st Feb
Coke	2,340	110	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,830	50	steel scrap (6mm) in Zhangjiagang, excl. tax
Billet Cost	3,089	69	Q234, incl. tax
Rebar cost - Blast furnace	3,717	78	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	-187	-98	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,736	52	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	94	-82	based on Shanghai prices, incl. tax

Note: 1. Costs in the table are calculated based on today's market prices and factored our management, sales, financial and depreciations fees.
2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

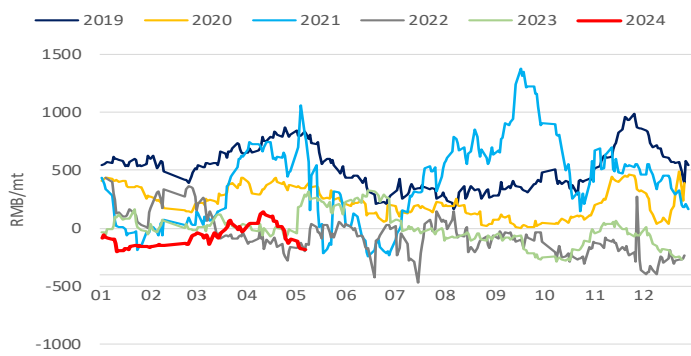
CHINESE STEEL INVENTORIES



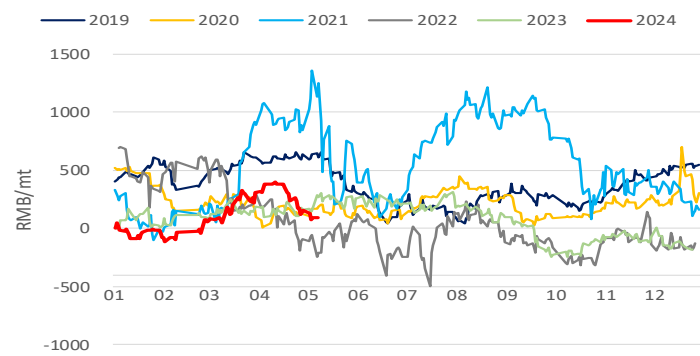
CHINESE STEEL MILL PROFITABILITY



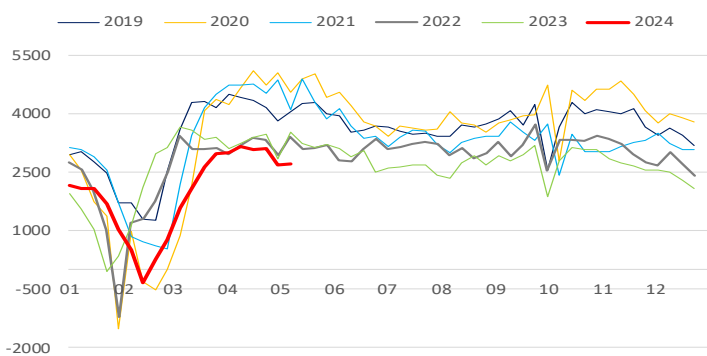
CHINESE STEEL MILL PROFITABILITY—Rebar



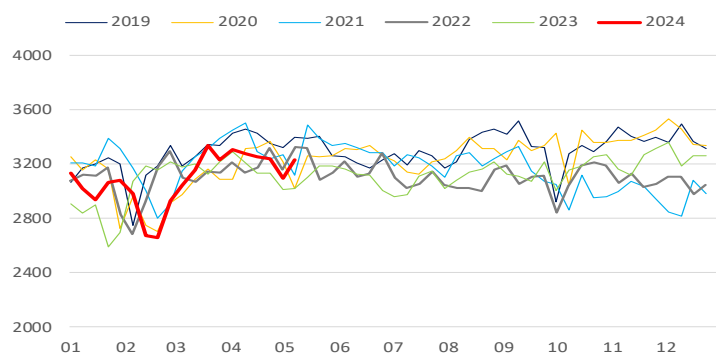
CHINESE STEEL MILL PROFITABILITY—Hot-rolled Coil



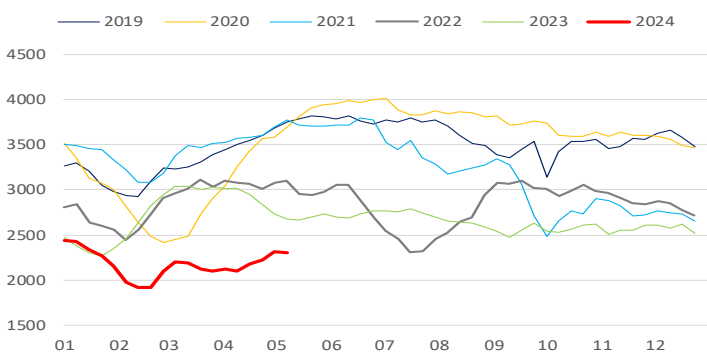
CHINESE STEEL CONSUMPTION—Rebar



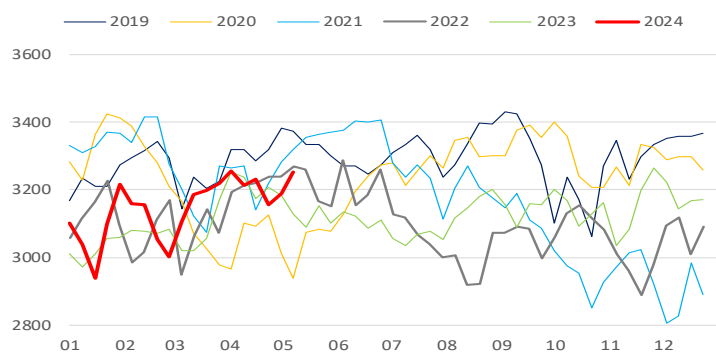
CHINESE STEEL CONSUMPTION—Hot-rolled Coil



CHINESE STEEL PRODUCTION—Rebar



CHINESE STEEL PRODUCTION—Hot-rolled Coil



IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS

Iron Ore Index Specifications (Port and Seaborne)					Iron Ore Index Compilation Rationale and Data Exclusions																				
	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump																					
Fe %	65.00	62.00	58.00	62.50	MMi iron ore indices are compiled from data provided by companies that are part of the iron ore supply chain and involved in spot market transactions. The indices are calculated using detailed transaction-level data submitted to MMi by these companies. This data is normalised to the appropriate specifications and screened to remove outliers before volume-weighted average prices are calculated from the remaining core set of data. For more details on MMi's iron ore methodology please download the guide published on our website at: www.mmiprices.com																				
Alumina %	1.40	2.25	2.25	1.50																					
Silica%	1.50	4.00	5.50	3.50																					
Phosphorus %	0.06	0.09	0.05	0.08																					
Sulphur %	0.01	0.02	0.02	0.02																					
Moisture %	8.00	8.00	9.00	4.00																					
Sizing	Granular size below 10mm for at least 90% of cargo; maximum of 40% below 150 micron			Size below 6.3mm max 15% Size above 31.15mm max 25%	<table border="1"> <thead> <tr> <th colspan="4">Data Exclusions*</th> </tr> <tr> <th></th> <th>62%</th> <th>58%</th> <th>65%</th> </tr> </thead> <tbody> <tr> <td>Port Index</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Seaborne index</td> <td>0</td> <td></td> <td>0</td> </tr> <tr> <td>Lump Index 62.5</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table>	Data Exclusions*					62%	58%	65%	Port Index	0	0	0	Seaborne index	0		0	Lump Index 62.5	0		
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	62%	58%	65%																						
Port Index	0	0	0																						
Seaborne index	0		0																						
Lump Index 62.5	0																								
Pricing Point	Qingdao Port (FOT and CFR respectively)			FOT Qingdao Port	* Number of price submissions for iron ore indices that were excluded from index calculations today as they were anomalous and could not be verified																				
Timing (Seaborne)	Loading within 4 weeks, Delivery within 8 weeks			Delivery within 2 weeks																					
Payment Terms	L/C at sight			L/C at sight or CAD																					

IRON ORE DOMESTIC CONCENTRATE INDEX CALCULATION METHODOLOGY

The compilation method for price index generally refers to the compilation method of CPI price index and other price indices, breakdown the price data and calculate the average value according to a certain method, taking the vertical axis as the regional composite index (average of different grade index) and the horizontal axis as the grade composite index (average of different regional index), a total composite index for domestic ore can be output ultimately. The process system is also adopted in the calculation i.e. each sub-index can be obtained as well.

AVERAGE IRON ORE SPECIFICATIONS APPLIED FOR BRAND PRICE ASSESSMENTS

PORT STOCK BRANDS						SEABORNE BRANDS					
May 13th, 2024	Specifications applied for 62% brand assessments						Specifications applied for 62% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture
Roy Hill	60.88%	2.35%	4.45%	0.055%	9.26%	Roy Hill	60.70%	2.30%	4.90%	0.055%	8.00%
SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%	SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%
PB Fines	61.64%	2.31%	3.87%	0.099%	9.45%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	9.50%
Newman Fines	62.49%	2.31%	3.98%	0.090%	7.72%	Newman Fines	62.30%	2.40%	4.30%	0.095%	8.00%
MAC Fines	60.43%	2.38%	4.64%	0.078%	7.57%	MAC Fines	60.80%	2.35%	4.40%	0.075%	7.80%
Jimblebar Blended Fines	60.87%	2.95%	4.53%	0.111%	7.32%	Jimblebar Blended Fines	60.50%	3.10%	4.80%	0.120%	7.80%
Carajas Fines	64.90%	1.39%	1.82%	0.080%	7.78%	Carajas Fines	65.10%	1.50%	1.70%	0.080%	8.50%
Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%	Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%
Brazilian Blend Fines	62.56%	1.58%	4.79%	0.091%	8.72%	Brazilian Blend Fines	63.00%	1.50%	5.00%	0.070%	7.00%
RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%	RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%
West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%	West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%
May 13th, 2024	Specifications applied for 58% brand assessments						Specifications applied for 58% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture
SSF	56.49%	3.20%	6.19%	0.065%	9.18%						
FMG Blended Fines	58.20%	2.43%	5.54%	0.057%	8.29%						
Robe River	56.44%	3.16%	5.73%	0.042%	8.44%						
Western Fines	57.88%	2.87%	7.50%	0.062%	7.45%						
Atlas Fines	58.00%	1.85%	5.50%	0.090%	9.00%						
Yandi	56.87%	1.58%	6.41%	0.042%	9.53%						

BLOOMBERG TICKERS

PORT STOCK INDICES				SEABORNE INDICES	
	FOT Qingdao (RMB/wet tonne)		CFR Qingdao Equivalent (USD/dry tonne)		CFR Qingdao (USD/DMT)
IOPI62	IRCNQ001		IRCNQ004		IRCN0034
IOPI58	IRCNQ002		IRCNQ005		IRCN0035
IOPI65	IRCNQ003		IRCNQ006		
IOPLI62	IRCN0036		IRCN0037		

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